

SOMATIC CHROMOSOME STUDIES OF THE TUFTED DEER (*ELAPHODUS CEPHALOPHUS*)

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The karyotype of the Tufted Deer (*Elaphodus cephalophus*) is first investigated with cultured fibroblasts from the lung and skin of two animals (one male and one female). The diploid number is 48, in the male and 47, in the female. G-band analysis shows that chromosomes 25 and 26 of the male just correspond to the long and short arms of chromosome 24 of the female, respectively. C-band observations shows that a pair of chromosome 23 and a chromosome 24 in the female and a chromosome 23, a chromosome 24 and a chromosome 25 in the male all contain rich heterochromatin. We think that these specific chromosomes probably relate to the sexual determination. The Ag-AS technique reveals clearly silver stained spots at the secondary constrictions of two pairs of autosomes 1 and 2. In addition, the spontaneous frequencies of the sister chromatid exchanges (SCE) of this species are calculated. The average SCE number per cell is 6.2.

辽东半岛的蚤类

THE FLEAS OF LIAODONG PENINSULA

辽东半岛的蚤类, 森川义金(1941)和大野(1942)曾作过一些报道。为弄清这一地区蚤类的区系分布, 我们先后在旅顺、大连、庄河、宽甸、凤城、岫岩、千山及复县等地进行了较广泛的调查。从人体及12种兽类(共11,850只)身上检获蚤类标本2,300多号, 经鉴定共有16种, 分隶7科13属, 其中包括我国新纪录一种, 现将各种的分布及其寄主叙述如下:

(一) 蚤科Pulexidae

1. 人蚤 *Pulex irritans* Linnaeus, 1758

分布 大连、旅顺、庄河、宽甸、凤城、岫岩(常见种)。

寄主 家犬、人。

2. 猫狗蚤亚种 *Ctenocephalides felis felis* (Bouché, 1835)

分布 大连(常见种)。

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